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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/517,302	05/27/2005	Makoto Kodaira	SAK-37	4487
24956 7590 07/10/2007 MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C. 1800 DIAGONAL ROAD SUITE 370 ALEXANDRIA, VA 22314				
			EXAMINER CHUNG TRANS, XUONG MY	
			ART. UNIT 2833	PAPER NUMBER
			MAIL DATE 07/10/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/517,302	Applicant(s) KODAIRA, MAKOTO	
	Examiner Xuong M. Chung-Trans	Art Unit 2833	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 April 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 2-4, and 6-7 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 2-4, 6 and 7 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

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1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on April 23, 2007 has been entered.

2. In the amendment filed April 23, 2007, Claims 1 and 5 has been canceled and claims 2-4 and 6 have been amended and new claim 7 has been added. Therefore, claims 2-4 and 6-7 are pending in this application.

3. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the "the main body unit, one common direction, a connection to the main body unit, the coaxial structure in the contact portion, the coaxial structure in the main body unit, the coaxial structure around the central contact and said central conductor connecting portion" must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure

is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

5. Claims 2 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

As per claim 2, line 1, it is unclear as to whether the coaxial cable or the plug comprising an external conductor. It is suggested that after the term "comprising" should add - - the coaxial cable having - -.

It is unclear how the contact portion having a coaxial structure. It is unclear what the main unit is. What is means by the central conductor connecting member and the external conductor connecting member having a coaxial structure? What is one

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common direction? The interconnection of "said contact portion being able to rotate on the rotation axis at a connection to the main body unit" is not clear and not specifically claimed. The terms "the coaxial structure in the contact portion, the coaxial structure in the main body unit, and the coaxial structure around the central contact and said central conductor connecting portion" lack antecedent basis.

As per claim 3, the term "said cylindrical conductor portion" lacks antecedent basis. Furthermore, it is unclear how the central contact has a connection formed by a portion of the external contact that is bent at one end and extends in alignment with the rotational axis.

As per claim 4, the term "said protrusions of the external conducting member" lacks antecedent basis. Further it is unclear how said external conducting member receives said protrusions of the external conducting member.

As per claim 6, the term "said bent end portion of said central conductor" lacks antecedent basis.

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

7. Claims 2-4, and 6-7, as best understood, are rejected under 35 U.S.C. 102(b) as being anticipated by Bell et al. (5,882,226).

Bell discloses a coaxial cable with a plug (10), comprising an external conductor 64 allowing an insulator 66 to intervene on a periphery of a central conductor 68, and a plug 12 comprising a central contact 20 electrically connected to said central conductor 68 and an external contact 12 electrically connected to said external conductor 64, wherein said plug comprises: a contact portion comprising said central contact 20 and said external contact 12, with said central contact and said external contact having a coaxial structure, and a main body unit having a central conductor conducting member (i.e. conductor 68 is crimped to end pin 20) electrically connecting said central contact 20 and said central conductor 68, an external conductor connecting member 58,70, 34 electrically connecting said external contact 12 and said external conductor 64 , and an insulating member (not shown) electrically insulating said central conductor connecting member and said external conductor connecting member, with said central conductor connecting member and said external conductor connecting member having a coaxial structure, said central contact and said central conductor connecting member, and said external contact and said external conductor connecting members being respectively electrically connected to each other in rotation about a rotational axis in one common direction, said contact portion being able to rotate on said rotational axis at a connection to said main body unit, and the coaxial structure in said contact portion, the coaxial structure in the main body unit and the coaxial structure around said central contact and said central conductor connecting portion being maintained when said contact portion is rotated about said rotational axis (see fig. 3), wherein said external contact is electrically connected to said external conductor connecting member at one end of said cylindrical

conductor portion, and said external contact includes a pair of protrusions which support said external contact for rotation on said rotational axis with respect to said external conductor connecting member, and said central contact has a connection portion formed by a portion of said external contact that is bent at one end and extends in alignment with said rotational axis to connect with said central conductor connecting member on said rotational axis, wherein said external conductor connecting member receives said protrusions of said external conducting member and said central conductor connecting member passes through said external conductor connecting member along said axis of rotation wherein said central conductor connecting member has a cylindrical portion that receives said bent end portion of said central conductor to maintain electrical contact with said central contact during rotational movement between said central contact and said central conductor connecting wherein said central contact has a first portion extending coaxially with said external contact member and a second portion bent orthogonally with respect to said first portion that is received in a cylindrical portion of said central conductor connecting member in alignment with said rotational axis.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Xuong M. Chung-Trans whose telephone number is (571) 272-2002. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula Bradley can be reached on (571) 272-2800 extension 33.. The fax

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phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Xuong Chung-Trans
Patent Examiner